

AMENDMENTS TO THE CLAIMS

Please amend claim 3 as follows.

1-2. (Canceled)

3. (Currently Amended) A communication system utilizing two-wire transmission lines for transmitting a transmission signal represented by two AC components being opposite in phase appearance, comprising:

a plurality of nodes respectively connected to said two-wire transmission lines, each of said nodes having therewithin:

a low pass filter connected to said transmission lines,

two terminating resistors respectively connected to said transmission lines via said low pass filter, and

a reception circuit for receiving said transmission signal, said reception circuit including:

an AC coupling circuit for extracting said AC components from said transmission signal on said transmission lines;

a bias circuit for applying a bias voltage to the AC components extracted by said AC coupling circuit; and

a clip circuit for clipping the level of each of the extracted AC components,

wherein said clip circuit comprises: a resistor having one terminal connected to a reference potential; a bias current supply circuit for supplying a fixed bias current to said resistor; and a diode connected between the other terminal of said resistor and an output line of said AC coupling circuit.

4. (Canceled)

5. (Previously Presented) A reception circuit for receiving a transmission signal represented by two AC components being opposite in phase and appearing in a communication system utilizing two-wire type transmission lines, comprising:

an AC coupling circuit for extracting said AC components from said transmission lines;

two bias circuits being independent from each other and each for applying a bias voltage to each of the AC components extracted by said AC coupling circuit; and

two clip circuits being independent from each other and each for clipping the level of each of the biased AC components at levels between a potential and a ground level,

wherein each of said clip circuit comprises: a resistor having one terminal connected to a reference potential; a bias current supply circuit for supplying a fixed bias current to said resistor; and a diode connected between the other terminal of said resistor and an output line of said AC coupling circuit.

6. (Canceled)